

Amendments to the Specification

Please replace the title of the invention with the following amended title:

~~FIBER NONWOVEN FABRIC~~ FIBROUS LAMINATE AND METHOD FOR THE PRODUCTION THEREOF

Please add the following new heading before paragraph [0001]:

FIELD OF THE INVENTION

Please add the following new heading before paragraph [0002]:

BACKGROUND

Please replace paragraph [0002] with the following amended paragraph:

[0002] Composite construction elements in which reinforcing fibers of the most diverse materials are embedded in a matrix are commonly employed nowadays where the properties of high tensile strength drive out steel and other materials. In order ~~in this connection~~ to produce these construction elements, on the one hand there is the possibility of interweaving fibers in braiding machines in such a manner that the fibrous braided fabric exhibits the desired fiber flow and corresponds to the shape of the construction element to be formed. On the other hand, with less effort it is also possible to build up the construction element in layers from individual fibrous layers in which the reinforcing fibers extend in a preferential direction and to create, with differing orientations of the fiber alignment in the various layers, a fiber blank that is adapted to the construction element and that exhibits the desired properties. In this regard the various layers or, to be more exact, fibrous layers exhibit a differing contour, corresponding to the section through the construction element.

Please add the following new heading before paragraph [0006]:

SUMMARY OF THE INVENTION

Please replace paragraph [0008] with the following amended paragraph:

[0008] Consequently, with ~~the~~ a process according to the invention firstly a stack of the requisite

number of fibrous laminates and/or multiaxial laminates is made available. But before a contouring of the individual layers (fibrous layer or multiaxial laminate) takes place all the layers are fixed, one below the other, along one region, so that they can no longer be displaced relative to one another. Subsequently the contouring of the individual layers is then carried out, by the individual layers being "leafed through" for this purpose. The deformability of the fibrous laminate produced in this way is preserved, so construction elements having complex contours and surfaces can also be produced.

Please replace paragraph [0009] with the following amended paragraph:

[0009] ~~With the a~~ process according to the invention, the precise positioning of the individual cut-to-size layers is dispensed with, by virtue of which considerable costs can be saved. In addition, the quality of the construction elements rises, since the positioning of the individual layers relative to one another becomes more precise, inasmuch as the precision corresponds to that of the stamping tools which can be produced with a much narrower tolerance.

Please replace paragraph [0015] with the following amended paragraph:

[0015] ~~The most varied~~ Various methods may be employed for the purpose of contouring the individual layers, but the layers are preferably cut with knives or shears, punched or detached from the original layer by laser.

Please replace paragraph [0016] with the following amended paragraph:

[0016] ~~The A~~ solution to the object relating to the process for producing a construction element for turbo-machines, in particular for gas turbines, in particular for turbine blades, is characterized, according to the invention, in that several fibrous layers with reinforcing fibers extending in each instance in a preferential direction and/or several multiaxial laminates consisting of reinforcing fibers are superimposed, the fibrous layers and/or multiaxial laminates are fixed, one below the other, along at least one region, individual fibrous layers and/or multiaxial laminates are contoured in such a manner that the shape of the fibrous laminate corresponds to the shape of the construction element, the fibrous laminate is introduced into a mould having a cavity that is complementary to the contour of the construction element, the cavity is filled by impregnating the fibrous laminate with a fluid matrix, and the matrix is

solidified.

Please add the following new heading before paragraph [0026]:

BRIEF DESCRIPTION OF THE DRAWINGS

Please add the following new heading before paragraph [0029]:

DETAILED DESCRIPTION

Please amend the heading on top of page 10 as follows:

PATENT CLAIMS:WHAT IS CLAIMED IS: